

Receiving Report

Date:

13/9/30

Batch No:

n12 7016

Supplier:

CAMP1

Dart P/O:

21423

Packing Slip:

Yes ☒ No ☐

Invoice:

Yes ☐ No ☒

Receipt:

Cash ☐ Cr ☒

Release Note Attached:

Yes ☒ No ☐

N/A ☐

Waybill Attached:

Yes ☐ No ☒

N/A ☐

Shipment Complete:

Yes ☒ No ☐

N/A ☐

QC6 Inspection

gm13-10-03

N/A ☐

Work Order

B 10 7076

N/A ☐

Discrepancies

Part Number	Description

Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments

Initials of receiver (if shipment OK) Level 12

[Signature]

Production/Admin:

Date

Received/Costing

Initial

13/9/30
[Signature]

Location

Purchase Order Receipt Listing

Monday, September 30, 2013 11:07:03 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO21479 Receipt Dates from 9/30/2013 to 9/30/2013 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name PO21479	1	VC-CAM002	Campi Steel M6061T6B0.500X10. f 000		10/3/2013	9/30/2013	36.0000	\$13.88	0.0000	0	\$499.83
CAD	No		6061-T6 Bar .500 x 10.00 m127015	f	36.0000	DESJ02		\$499.83	0.0000	0	
	2		M304B0.625X3.000 f 304 BAR .625 X 3.00 f m127015	f	10/3/2013	9/30/2013	13.2000	\$20.85 \$275.17	0.0000 0.0000	0 0	\$275.17
	3		M304R0.375 304 ROUND BAR f 0.375 m127015	f	10/3/2013	9/30/2013	72.0000	\$0.92 \$66.24	0.0000 0.0000	0 0	\$66.24
	4		D6201P T Extrusion 4X4X3/8 f m127015	f	10/3/2013	9/30/2013	20.0000	\$14.72 \$294.41	0.0000 0.0000	0 0	\$294.41
	5		71400-20 6061-T6 PLATE 28" X 84" X 1/4" m127015	Each	10/3/2013	9/30/2013	1.0000	\$237.43 \$237.43	0.0000 0.0000	0 0	\$237.43
<div> <div>Total Received Quantity:</div> <div>Total Qty to Inspect (PO U/M):</div> <div>Total Reject Quantity:</div> <div>Total Receipt Value:</div> <div>Total Balance Due Quantity:</div> </div>											<div>142.2000</div> <div>0.0000</div> <div>0.0000</div> <div>\$1,373.07</div> <div>0.0000</div>

shop tooling.
9/30/13 10:03


19/03/2013
DEPUIS - SINCE
Merci ! • Thank you!

EXPÉDIEZ À / SHIP TO

Fax : 1 866 456-4242

30/09/13

100



CONDITIONS

Sous-total	
Sub total	
T.P.S.	
G.S.T.	

A/Y
M/M
J/D

DATE _____

A/Y	M/M	J/D
2	0	2

TOTAL



CERTIFICAT D'ANALYSE - CERTIFICATE OF ANALYSIS

Destinataire / Consigne:

Date: 2009-07-08

No. de Commande / Order Number:

FAX 03/24/09

Notre No. de commande / Our Order Number: 45655020

No. de Filière / Die Number:

C-11-375-6-5

Lot:

45655020

Alliage et Trempe / Alloy and Tempe: 6061-T6

No. de Dessin du Client / Customer Shape Number:

14 X 4X .375

Spécifications: ASTM B-221-08

PROPRIÉTÉS MÉCANIQUES / MECHANICAL PROPERTIES																			
IDENTIFICATION Test	Résist. Rupture (U.T.S.)		Limite élast. (0.2% Y.S.)		Élongation		DURETÉ / HARDNESS		CONDUCTIVITÉ										
	MPa	Ks.i.	MPa	Ks.i.	%		HR E	BNH		% ACS									
1	300.96	43.986	244.86	35.709	21		92												
2	301.82	44.112	246.22	35.907	19		93												
Coulée / Cast		Si	Fe	Cu	Mn	Ti	Mg	Zn	Cr	B	Be	Bi	Ca	Ga	Na	Mi	Pb	Sn	Zr
Numéro / Number		12	.63	.31	.25	.04	.02	.90	.06					.002		.008			.010

Ceci certifie que des échantillons représentatifs du matériel ont été dûment inspectés et sont conformes aux spécifications ci-dessus. / This is to certify that representative samples of the above material have been properly inspected to prove conformity with the appropriate drawing specifications.

Ceci certifie que des échantillons représentatifs du matériel ont été dûment inspectés et sont conformes aux résultats ci-haut mentionnés. / This is to certify that representative samples of the above material have been properly tested to prove conformity with the appropriate specification with the above listed results.

SHIP TO:

**KAISER
ALUMINUM**

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

SOLD TO:

CERTIFIED TEST REPORT

Serial Number

4302905

CUSTOMER PO NUMBER: C66973		WORK PACKAGE:	CUSTOMER PART NUMBER:		SHIP RUN/LOAD: 102681/4	GOVT CONTRACT NUMBER:	
KAISER ORDER NO: 1154974	LINE ITEM: 1	SHIP DATE: 9-JUL-2013	ALLOY: 6061	CLAD: BARE	TEMPER: T651	PRODUCT DESCRIPTION: Precision Plate	
WEIGHT SHIPPED: 11682 LB	QUANTITY: 99 PCS EST.	TRUCK B/L #: 2043045	GAUGE: 0.2500 IN (6.3500 MM)		DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 96.500 IN (2451.1 MM)	

MHU 1692913: LOT 756781A1: 6 pieces;
 MHU 1692929: LOT 756330A7: 29 pieces;
 MHU 1692941: LOT 756783A7: 9 pieces;
 MHU 1693029: LOT 756865A2: 14 pieces;
 MHU 1693035: LOT 756611A0: 19 pieces;
 MHU 1695203: LOT 757124A3: 22 pieces;

Certified Specifications

AMS 4027/RevN
CMMP 025/RevU

ASME SB 209/Rev2004

ASTM B 209/Rev10

Test Code: 1511

Test Results

Lot: 756330A7 Cast 111

Drop 11

Ingot 1

Parent Lot: 640480A0 Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	47.2 : 47.6 (325 : 328)	41.9 : 42.5 (289 : 293)	13.6 : 14.0

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.69	0.6	0.31	0.07	1.0	0.17	0.10	0.02	0.01	0.00	TOT 0.04

Böllinghaus Portugal Aços Especiais, SA
DIN EN ISO 9001:2008
TÜV CERT No. 01 100 030458

Unsere innere Verweisung / Our int. Ref/ N/ ref int

5600016972 000100

Datum / Date / Data

25.10.2012

Normen / Standards / Normas

TP 304/304L acc. to ASTM A479/A479M-11, A276-10 specifications acc. to latest rev.: SAE-AMS-QQ-S 763B, AMS5639H, AMS5647J, ASME SA479/SA479M, ASME SA276, ASTM A182/A182M-11a F304/304L, A193/A193M-11a CL 1Gr.B8, ASTM A314-08, ASTM A320/A320M-11a, DOD-F24669/6, ASME SA182/SA182M, ASME SA 193/SA193M, ASME SA320 CL 1Gr.B8, ASTM A262-10 Practise A&E, grain size as per ASTM E112-96e1, NACE MR 0175, ASTM A484/A484M-11.

Kunde / Customer / Cliente

Endgültiger Kunde / Final Customer / Cliente Final

Bestell Nr./Order Nr./ Enc.Nr. C84545

Bestell Nr./ Order Nr./ Enc.Nr. C84545.09

Prüfgegenstand / Product / Produto

AISI 304/304L FLAT 3 x 5/8"

Gewicht / Weight / Peso

2,066 lb

Bunde / Bundle / Atados

01

Werkstoff-Nr.
Material-no.
Qualidade

1.4307

Werkstoff-Normbezeichnung / Material standard grade / Norma do material

X 2 CrNi 18-9

Beschreibung / Description / Descrição

Stainless steel flat bars, hot rolled, solution annealed, straightened, pickled.
US DFAR 252,225-7014: MELT SOURCE: United Kingdom / MFG: Portugal.

Schmelzen Nr.
Cast nr. / Fusão nr.

Chemische Analyse in % / Chemical composition in % / Análise química em %

561481

C:

0.018

Si:

0.290

Mn:

1.670

P:

0.036

S:

0.025

Cr:

18.340

Ni:

8.160

EA

Mo:

0.340

Co:

0.149

Cu:

0.400

N:

0.086

Ti:

0.007

W:

-

V:

-

Proben Nr.
Test no.
Amostra no.

ASTM E399

Kerbschlagarbeit
Impact Test
Resiliência
(Charpy V)

[J]

Streckgrenze
Yield point
Tensão limite
Rp 0.2 %

[Ksi]

Dehngrenze
1% point
Limite de extensão
Rp 1.0 %

[Ksi]

ASTM A370

Zugfestigkeit
Tensile strength
Tensão de rotura
Rm

[Ksi]

Dehnung
Elongation
Alongamento
A (A50-50mm)

[%]

Einschnürung
Reduction of area
Coef. Estricção
Z (A50-50mm)

[%]

3029956.01.01

176.0

61.5

70.1

98.8

54.1

73.2

Visuelle Kontrolle
Visual inspection
Inspeção visual

☒ Ok

ASTM E370

Härte
Hardness
Dureza

207

[HB]

ASTM A262-10 Practice E

Korrosionsbeständigkeit

IC Test

Korrosion Intermetalline

☒ Ok

Wärmebehandlung
Heat treatment
Tratamento térmico

Annealed Quenched 1900 °F

(water quenched)

ASTM A484

Maßkontrolle
Dimensional inspection
Inspeção dimensional

☒ Ok

E 112-96e1

Korngröße
Grain size
Tamanho de grão

7

Makroskopische Untersuchung
Macrographic test

Material free from
segregation defects.

☒ Ok

Werkstoffverständiger
Quality Control Representative
Inspector da Qualidade

224
David Reis

Verwechslungsprüfung
Test of identity
Teste de identificação

☒ Ok

Bemerkungen / Remarks / Observações

Micrographic test: approved.

Material is free of radiation contamination.

No weld repair done.

Material is free of mercury.

Hiermit bestätigen wir, dass das Material der oben genannten Spezifikation entspricht.

We confirm that this material meets the specification according to the mentioned standards.

Confirmamos que este material respeita as especificações de acordo com as normas referidas.

KAISER ALUMINUM FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CUSTOMER PO NUMBER: C66199-1		CUSTOMER PART NUMBER: V067041		PRODUCT DESCRIPTION: .500 X 10.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 632648	LINE ITEM: 001	SHIP DATE: 11/29/2012	KAISER LOT NUMBER: Z00191015	ALLOY: 6061	TEMPER: T6511B
WEIGHT SHIPPED: 1692.000 LB	QUANTITY: 24.000 PCS	B/L NUMBER: 604998	DIAM/DAF/THKNS: WIDTH:	LENGTH: 12.000 FT	
SHIP TO: R405384-25-86			SOLD TO:		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00191015	0001	1	49.4	44.9	12.0	RE 90	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
102120	.77	.33	.30	.09	.95	.10	.04	.03	.00	.00	.00	.01	.03

Applicable Requirements:

PER ASTM-B221-12 STENCILED ASME-SB221 1998 SECT II PER AMS-QQ-A-200/8 (2007) UNS# A96061 MEETS ALL SPECIFICATION REQUIREMENTS FOR 6061-T6511/T6 ELEVATED MINIMUM MECHANICAL PROPERTIES AS FOLLOWS: UTS = 42.0 KSI MIN YIELD = 38.0 KSI MIN ELONGATION = 10.0% MIN

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Calvin Latting, Quality & Technology Manager

Calvin Latting

Plant Serial: 00068368

Kaiser Order Number: 632648

Line Item: 001



METALLURGICAL TEST REPORT

NORTH AMERICAN STAINLESS
6870 HIGHWAY 42 EAST
GHENT, KY 41045

6870 HIGHWAY 42 EAST

Certificate: 859064 1 Mail To:

Ship To:

Date: 8/13/2013 Page: 1

Customer: 007025 003

Steel: 304/304L

Finish: CD

Your Order: CL14677

NAS Order: PN 0030689 02

Corrosion: ASTM A262-10 Prac A/E OK

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS J500730403 EN 10208 3.1, ASTM A484/11
ASTM A276/10, ASTM A479/11, ASTM A182/10 CHEM ONLY,
ASME SA182/10A, ASME SA182/10 CHEM ONLY
AMS 5639H, AMS 5647J, AMS QCS-763B, QCS-763F, ASTM F899/11
SOLUTION ANNEAL TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAR 252.225-7014A-1 EU DIRECTIVE
2011/65/EU. ROHS. EAP+AOD+CC. NO WELD REPAIR. MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

R934452

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BF4338 2		.3750		2,043	144.00		1	1 na

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
H5H1	US	.0156	.1350	18.1005	.4570	1.3860	.3520	.0717	8.5915	.0335
	S %		SI %							
		.0235	.2955							

MECHANICAL PROPERTIES

Product Id	1 d	o i	HB	.2YS	UTS	RA	Flng
	c r	No.	KSI	KSI	%	%	%
BF4338 2	RL	202.00	88.60	105.96	72.04	47.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ERIC HESS
8/13/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO21479

Purchase Order Date 9/25/2013

PO Print Date 9/25/2013

Page Number 1 of 3

Order From :

VC-CAM002

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAKED
09/25/13

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

127085

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B0.500X10.000	6061-T6 Bar .500 x 10.00	10/3/2013 Yes 10/3/2013		36.00	\$14.62	\$526.30

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117 OR
4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR
AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$526.30

2	M304B0.625X3.000	304 BAR .625 X 3.00	10/3/2013		12.00	\$21.95	\$263.40
			Yes				
			10/3/2013				

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
AS PER ASTM A276 OR ASTM A240
NOTE: AISI 303 NOT ACCEPTABLE

13.2
13/5/30

Line Total: \$263.40

Note:

9/25/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21479**

Purchase Order Date 9/25/2013

PO Print Date 9/25/2013

Page Number 2 of 3

Order From :

VC-CAM002

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

800 667 4248

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

3 M304R0.375

304 ROUND BAR 0.375

10/3/2013

Yes

10/3/2013

72.00

f

\$0.97

\$69.75

MATERIAL: AISI 304/316 SS ROUND BAR AS PER
ASTM A276

NOTE: 303 NOT ACCEPTABLE

Line Total:

\$69.75

4 D6201P

T Extrusion 4X4X3/8

10/3/2013

Yes

10/3/2013

20.00

f

\$15.50

\$310.00

AS PER DWG D6201 REV. A
B107076
T-BEAM EXTRUSION
SIZE: 4.00" X 4.00" X 0.375"

Line Total:

\$310.00

5 .71400-20

6061-T6 PLATE 28" X
84" X 1/4"

10/3/2013

Yes

10/3/2013

1.00

Each

\$250.00

\$250.00

Note:

9/25/2013

9/25/2013



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO21479**

Purchase Order Date 9/25/2013

PO Print Date 9/25/2013

Page Number 3 of 3

Order From :

VC-CAM002

CAMPI STEEL
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Total: \$250.00

Deliver To: SYLVIE

PO Total: \$1,419.45

Note: Pricing listed above is as per contract agreement between Dart Aerospace and the respective manufacturer.

No substitution or deviation without consent.

Certificate of Conformity or Material Certification required - YES NO

PST# 6122-5207

Change Nbr: 1

Change Date: 9/25/2013